

DOKUKIN, A. V.

"Histophysiological Changes in the Genital Tract of Female Mammals During Estrus and Their Biological Significance and Origin." Cand Med Sci, Second Moscow Medical Inst, Moscow, 1953. (RZhBiol, No 7, Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)

SO: Sum. No. 556, 24 Jun 55

DOKUKIN, A.V.; BASHKAYEV, I.S.

Physiological polyspermia in mammals. Biul. eksp. biol. i med. 37
no.1:62-64 Ja '54. (MLRA 7:3)

1. Iz kafedry obshchey biologii (zaveduyushchiy - professor
V.V. Makhovko) II Meditsinskogo instituta im. I.V. Stalina, Moskva.
(Fertilization (Biology)) (Mammals)

DOKUKIN, A. V.

USSR/Biology - Histophysiology

FD-2564

Card 1/1

Pub. 17-17/23

Author : Dokukin, A. V.

Title : ~~_____~~
Histophysiologic changes in the genital tract of female mammals during estrus. Report I: Changes in the physicochemical characteristics of the seminal fluid in the genital tract of females

Periodical : Byul. eksp. biol. i med. 5, 62-64, May 1955

Abstract : Gives results of investigations of the viscosity, pH, and electrical conductivity of sperm and the contents of the uterus of mice at various periods of time after natural insemination. Table. Six references, all USSR (2 since 1940).

Institution : Chair of General Biology (Head - V. V. Makhovko) of the 2nd. Moscow Medical Institute imeni I. V. Stalin

Submitted : March 20, 1954 by V. N. Ternovskiy, Member of the Academy of Medical Sciences USSR

Dokukin, A.V.

USSR/General Biology - Individual Development.

B-4

Abs Jour : Ref Zhur - Biol., No 7, 1958, 28508

Author : Dokukin, A.V.

Inst : -

Title : Histo-Physiological Changes in the Genital Tract of
Mammalian Females in the Estrus Period. Communication
II. Morpho-Physiological Changes of Sperm in the Female
Genital Tract.

Orig Pub : Byul. eksperim. biol. i meditsiny, 1956, 42, No 7, 61-63

Abstract : An investigation was conducted of ovaries and the genital tract at different intervals after natural insemination (0-72 hours) of female mice; in addition, the genital tract of females which did not copulate in the estrus period was investigated; and after a number of days after ovariectomy and normal unmated mice at different stages of the sex cycle. Immediately after copulation the norms of the womb contain a viscous substrate, composed of a

Card 1/3

*Chair Gen Biology II Moscow Med Inst
in Stalin*

USSR/General Biology - Individual Development.

B-4

Abs Jour : Ref Zhur - Biol., No 7, 1958, 28508

spermatozoon mass. After 4-5 hours leucocytes appear and an active spermophagocytosis begins. After 15-20 hours prolapse of the vaginal plug occurs and emptying of the genital tract. Infiltration by leucocytes and destruction of uterine contents also occurs in the unco-
pulated womb, but these processes are evidenced more mildly. Destruction of spermatozoa in the womb of ovariectomized animals occurs to an insignificant degree. No penetration of spermatozoa into the uterine wall was observed. In the author's opinion, the process of insemination occurs in 2 stages. The first period (period of activation) lasts from the act of insemination up to ovulation. During this period the spermatozoa transfer into the upper section of the genital tract occurs. The second period (destructively-infiltrational) begins from the moment of ovulation and fecundation and ends

Card 2/3

' USSR/General Biology - Individual Development.

B-4

, Abs Jour : Ref Zhur - Biol., No 7, 1958, 28508

with the removal of the male's sexual products from the female's genital tract. During this period the preparation of the womb mucous membrane for fetus implantation takes place.

Card 3/3

DOKUKIN, A.V.

Comparative effects of ether and curare simulants on the neuromuscular apparatus of warm-blooded animals in chronic experimental studies. Biul. eksp. biol. i med. 42 no.11:34-38-N '56. (MIRA 10:1)

1. Iz laboratorii patofiziologii i farmakologii ^{cardiac} serdechno-sosudistoy ^{vascular} sistemy (zav. - prof. S.V.Andreyev) Instituta farmakologii i khimioterapii (dir. - deystvitel'nyy chlen AMN SSSR V.V. Zakusov) AMN SSSR. Predstavleno akademikom A.D.Speranskim.

(NERVE MUSCLE PREPARATION, effect of drugs on,
other ethyl & muscl relaxants, comparison (Rus))

(ETHER ETHYL, effects,
on nerve-musc. preparation, comparison with musc.
relaxants (Rus))

(MUSCLE RELAXANTS, effects,
on nerve-musc. preparation, comparison with ether (Rus))

DOKUKIN, A.V.
DOKUKIN, A.V.

Histophysiological changes in the genital tract during estrus in female mammals. Report No. 3: Role of natural insemination in the process of changes in the genital wall and their maintenance. Biul.eksp.biol.med. 44 no.8:106-110 Ag '57. (MIRA 10:11)

1. Iz kafedry obshchey biologii (zav. - prof. V.V.Makhovko) II Moskovskogo gosudarstvennogo meditsinskogo instituta im. I.V.Stalina imeni I.V.Stalina, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR prof. V.N.Ternovskim.

(GENITALIA, FEMALE, physiology,

eff. of coitus on cyclic destructive & proliferative changes in mice (Rus))

(COITUS,

eff. on female genital cyclic destructive & proliferative changes in mice (Rus))

COUNTRY	: USSR	T
CATEGORY	: Human and Animal Physiol., Neuromuscular Physiol.	
ABS. JOUR.	: RZhBiol., No. 5 1959, No. 22385	
AUTHOR	: Dokukin, A.V.	
INST.	:	
TITLE	: The Functional State of the Neuromuscular Complex Following Trauma of a Motor Nerve.	
ORIG. PUB.	: Patol. fiziologiya i eksperim. terapiya, 1958, 2, 44--50	
ABSTRACT	: The motor nerve of a rabbit was destroyed over a 2 to 3 mm stretch by squeezing and crushing with a special pincers. After the nerve was destroyed, there was a fall-off of muscular excitability in response to stimulation with brief impulses, both single and rhythmic. A critical reduction in excitability occurred between 36 and 48 hours after the traumatizing event. The capacity for summation of two impulses remained unchanged for several hours following trauma. Only after 20 to 24 hours was there noted	
Card:	1/3	

T-76

COUNTRY	: USSR	T
CATEGORY	:	
ABS. JOUR.	: RZhBiol., No. 5 1959, No. 22385	
AUTHOR	:	
INST.	:	
TITLE	:	
ORIG. PUB.	:	
ABSTRACT	: a prolongation of the absolute refractory phase from 0.7--0.9 to 1.5--2 milliseconds and of the interval in which maximal summation began from 2--3 to 7--8 milliseconds. The dynamics of the lability of the nerve differed sharply, depending on the duration of the test impulses. For a period of 30 to 40 days the functional state of the neuromuscular complex remained relatively weak, and nerve conductivity was characteristically absent. At the conclusion of this period, signs of recovery of neuromuscular conductivity appeared. During the course of the succeeding 15 to 20 days,	
Card:	2/3	

COUNTRY	: USSR	T
CATEGORY	:	
ABS. JOUR.	: RZhBiol., No. 5 1959, No. 22385	
AUTHOR	:	
INST.	:	
TITLE	:	
ORIG. PUB.	:	
ABSTRACT	: parallel with the recovery of indirect excitability, there was a gradual restoration of the functional state of the neuromuscular complex.--F.I. Mumladze	
Card:	3/3	
T-77		

DOKUKIN, A.V.

Functional condition of the neuromuscular apparatus of the intact organism under conditions of disturbed blood circulation [with summary in English]. Biul'eksp.biol. i med. 46 no.8:53-57 Ag '58 (MIRA 11:10)

1. Iz laboratorii patofiziologii i farmakologii serdechno-sosudistoy sistemy (zav. - prof. S.V. Andreyev) Instituta farmakologii i khimioterapii AMN SSSR (dir. deystvitel'nyy chlen AMN SSSR V.V. Zakusov):

(MUSCLES, physiol.

eff. of exper. ischemia on neuromusc. appar. of intact rabbits (Rus))

(NERVES, physiol.

same (Rus))

(BLOOD CIRCULATION, physiol. (Rus))

DOKUKIN, A.V.

Modified method of differential manometry for the registering volume rate of blood flow. Biul. eksp. biol. i med. 46 no.11:126-128 N '58.

(MIRA 12:1)

1. Iz laboratorii patofiziologii i farmakologii serdechno-sosudistoy sistemy (zav. - prof. S.V. Andreyev) Instituta farmakologii i khimioterapii (dir. - deystvitel'nyy chlen AMN SSSR V.V. Zakusov) AMN SSSR, Moskva. Predstavlena deystvitel'nyy chlenom AMN SSSR V.V. Parinym.

(MANOMETER,

differential manometry in registration volume rate of blood flow (Rus))

(BLOOD CIRCULATION,
same)

DOKUKIN, A.V.

New method for investigating vascular permeability. Biul. eksp. biol.
i med. 48 no.10:106-108 0 '59. (MIRA 13:2)

1. Iz laboratorii patofiziologii i farmakologii serdechno-sosudistoy
sistemy (zav. - prof. S.V. Andreyev) Instituta farmakologii i khimio-
terapii (dir. - deystvitel'nyy chlen AMN SSSR V.V. Zakusov) AMN SSSR,
Moskva. Predstavlena deystvitel'mym chlenom AMN SSSR V.V. Zakusovym.
(CAPILLARY PERMEABILITY)

DOKUKIN, A.V. (Moskva)

Simple rheometer for registering the blood flow rate. Pat. fiziol.
i eksp. terap. 4 no. 5:71-72 S-O '60. (MIRA 13:12)

1. Iz laboratorii patofiziologii i farmakologii serdechno-sosudistoy
sistemy (zav. - prof. S.V. Andreyev) Instituta farmakologii i
khimioterapii (dir. - deystvitel'nyy chlen AMN SSSR prof.
(CARDIOLOGY—EQUIPMENT AND SUPPLIES)

DOKUKIN, A.V., kand.med.nauk

Changes in the cardiac output, cardiac work and peripheral resistance in acute disorder of coronary circulation in normal and vagotomized animals. Kardiologiya 2 no.3:21-25 My-Je '62.
(MIRA 16:4)

1. Iz laboratorii patofiziologii i eksperimental'noy terapii (zav. - prof. S.V.Andreyev) Instituta serdechno-sosudistoy khirurgii AMN SSSR (dir. - prof. S.A.Kolesnikov; nauchnyy rukovoditel' - akademik A.N.Bakulev).

(CORONARY VESSELS)

(VAGUS NERVE)

(HEART)

27.11.60
17.2151

38132
S/020/62/144/003/030/030
B144/B112

AUTHORS: Dokukin, A. V., Konstantinova, Z. S., Chechulin, Yu. S.,
and Bukin, Yu. V.

TITLE: Effect of vitamin B₁₅ (pangamic acid) on the resistance
of the organism and its cardiovascular system to hypoxia

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 144, no. 3, 1962,
675 - 677

TEXT: Calcium and sodium salts of the natural homolog of pangamic acid
(gluconodimethyl aminoacetate) were used to study the effect of B₁₅ on
the resistance of: (1) the organism of mice and rats to general asphyxia;
(2) the myocard of cats and dogs to local hypoxia. (1) 150 - 500 mg B₁₅/kg
was subcutaneously administered to 121 out of 245 mice 1 - 5 days before
the experiment. The animals were then put into a hermetically sealed
chamber and observed until they perished. Their average period of survival
exceeded that of the control animals (p = 0.06). 13 rats were treated
50 : 50 with a subarachnoid dose of 10 mg B₁₅/kg in 0.05 ml 0.9% NaCl

Card (1/2)

Effect of vitamin B₁₅.....

S/020/62/144/003/030/030
B144/B112

(pH = 7.2) and 13 rats with 0.05 ml physiological solution only. Figs. 1A and 1B show the results obtained for both groups. (2) 10 out of 26 "devagated" cats whose left coronary artery was ligated at the branching point of the ramus descendens were administered 75 mg B₁₅/kg s. c. ✓

The blood pressure in the carotid artery and the onset of arrhythmia and fibrillation are illustrated in Fig. 1B. 200 mg B₁₅ dissolved in 15ml physiological solution was administered to dogs through a catheter into the ramus descendens of the left coronary artery. The electrocardiogram revealed that B₁₅ brought about a temporary incomplete restoration (elimination of ventricular extrasystoles). The experiments all prove the positive effect of B₁₅. There are 2 figures.

PRESENTED: December 21, 1961, by A. N. Bakulev, Academician

SUBMITTED: December 7, 1961

Fig.1. Survival of animals treated with B₁₅ (thick line) and of control animals (thin line).

Card 2/3 2

DOKUKIN, A.V.

Role of the dilatator receptors of the left ventricle in reflex hemodynamic changes in myocardial ischemia. Biul. eksp. biol. i med. 55 no.4:29-32 Ap '63. (MIRA 17:10)

1. Iz laboratorii patofiziologii i eksperimental'noy terapii (zav. - prof. S.V. Andreyev) Instituta serdechno-sosudistoy khirurgii (dir. - prof. S.A. Kolesnikov, nauchnyy rukovoditel' - akademik A.N. Bakulev) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR I.R. Petrovym.

DOKUKIN, A.V., kand. med. nauk

Changes in pressure in different parts of the cardiovascular system and pulse during acute myocardial ischemia in normal and vagotomized animals. Kardiologiya 3 no.4:57-65 J1-Ag'63 (MIRA 17:3)

1. Iz laboratorii patofiziologii i eksperimental'noy terapii (zav. - prof. S.V. Andreyev) Instituta serdechno-sosudistoy khirurgii (dir. - prof. S.A. Kolesnikov, nauchnyy rukovoditel' - akademik A.N. Bakulev) AMN SSSR.

DOKUKH, A.V., doktor tekhn.nauk

Principles of creating automatic mining complexes for flat seams.
Ugol' 40 no.5:18-25 My '65. (MIRA 18:6)

DOKUKIN, Anatoliy Vladimirovich, kand.med.nauk; SOROKO, Ya.I., red.;
NAZAROVA, A.S., tekhn.red.

[Allies of the surgeon; artificial organs in the service of
medicine] Soizuzniki khirurga; iskusstvennye organy na sluzhbe
meditsiny. Moskva, Izd-vo "Znanie," 1963. 38 p. (Novoe v zhizni,
nauke, tekhnika. VIII Seriya: Biologiya i meditsina, no.10)
(MIRA 16:6)

(SURGICAL INSTRUMENTS AND APPARATUS)

DOKUKIN, A.V.

Effects of cardiovascular drugs on blood flow and resistance in various vascular beds. Fiziol.zhur.SSSR 45 no.7:848-855 J1 '59.
(MIRA 13:4)

1. From the laboratory of pathologic physiology and pharmacology of the cardio-vascular system, Institute of Pharmacology and Chemotherapy, Academy of Medical Sciences, Moscow.
(VASOMOTOR DRUGS pharmacology)

TORBIN, I.; DOKUKIN, D.; RUDOV, M.

Determining the productive capacity of feed mills. Muk.-elev.prom.
21 no.10:19-20 0 '55. (MLRA 9:1)

1. Krasnodarskiy trest Glavmuki.
(Feed mills)

DOKUKIN, G., inzh.

Testing a hydraulic dredge in actual operation. Rech. transp. 20
no. 3:39-40 Mr '61. (MIRA 14:5)
(Dredging machinery--Testing)

FYZHKIN, B.; LOMKIN, G., kand. tekhn. nauk

Increasing the carrying capacity of pressure pipes with a spiral
pulp flow. Rech. transp. 23 no.10:43-45 O 1964.

(MIRA 17:12)

1. Chlen-korrespondent AN UkrSSR (for Fyshkin).

DOKUKIN, G.B., inzh.

~~Sediment consolidation in river beds. Rech. transp. 17 no.1:27-29~~
Ja '58. (MIRA 11:3)

(Sedimentation and deposition)

PYSHKIN, Boris Andreyevich, prof.; RUSAKOV, Sergey Vasil'yevich; MAKSIMCHUK, Vladimir Lukich; SOKOL'NIKOV, Yuriy Nikolayevich. Prinimal uchastiye: DOKUKIN, G.B., TOLMACHOV, A.B., retsenzent; TSIMBERG, I.Ye., retsenzent; PECHKOVSKAYA, O.M., red.; MATVEY-CHUK, A.A., tekhn.red.

[Problems in planning channel deepening cuts] Voprosy proektirovaniia dnouglubitel'nykh prorozei. Pod red. B.A.Pyshkina. Kiev, Izd-vo Akad.nauk USSR, 1959. 157 p. (MIRA 12:12)

1. Chlen-korrespondent AN USSR (for Pyshkin). 2. Glavnyy inzhener Dneprovskogo basseynovo upravleniya puti (for Tolmachov). 3. Nachal'nik otdela vodnykh putey Ukgiprorechtransa (for TSimberg). (Rivers--Regulation)

DOKUKIN, G. B. Cand Tech Sci -- (Miss) " Hydraulic-action bottom deepeners."
Kiev, 1959. 18 pp with illustrations (Min of Higher and Secondary Specialized
Education UkSSR. Ukrainian Inst of Engineers of Water Transport), 150 copies
(KL, 52-59, 121)

DOKUKIN, G.B., inzh.

Results of testing hydraulic-action dredges. Rech.transp. 18
no.6:38-39 Je '59. (MIRA 12:9)
(Dredges--Testing)

RYENKIN, B. A.; DOKUKIN, G. B. [Dokukin, H. B.]

Some characteristics of the spiral movement of water current
and hydraulic fluids in circular pressure pipes. Visti Inst.
hidrol. i hidr. AN URSS 23:76-85 '63.

(MIRA 17:12)

KHAYRETDINOV, I.A.; DOKUKIN, G.P.; PROKHOROV, V.G.; SVERLOVA, V.N.

Use of gas testing for prospecting in the fault areas of the
Western Sayan Mountains. Geol. i geofiz. no.10:135-137 '65.
(MIRA 18:12)

1. Krasnoyarskoye otdeleniye Sibirskogo nauchno-issledovatel'-
skogo instituta geologii, geofiziki i mineral'nogo syr'ya.
Submitted March 25, 1964.

USSR/Cultivated Plants - Medicinal. Essential Oil-Bearing. M.
Toxins.

Abs Jour : Ref Zhur - Biol., No 10, 1958, 44390

Author : Dokukin, I.A.

Inst : All-Union Scientific Research Institute for Oil-Bearing
and Essential Oil-Producing Crops.

Title : On Some Problems of Agricultural Technique as Applied
on the Coriander in the Saratovskaya Oblast'.

Orig Pub : Byul. nauchno-tekhn. inform. Vses. n.-i. in-ta maslic n.
i shirokosluchn. kul'tur, 1957, No 3, 40-42.

Abstract : No abstract.

Card 1/1

SOV/35-59-8-6747

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1959,
Nr 8, p 94

AUTHOR: Dokukin, L.I.

TITLE: A Simplified Method of Finding [✓] Triangulation Points

PERIODICAL: Zap. Voronezhsk. s.-kh. in-ta, 1958, Vol 27, Nr 1, pp 301-304 ✓

ABSTRACT: A simplified method is proposed for finding the centers of triangulation points the marks of which have not been preserved. Formulae are derived and results of a field test of this method are reported. It is pointed out that observations while finding the centers by the simplified method, are reduced to measuring, from the presumed location of the center, the angles between directions to three triangulation points whose coordinates are known. The error in determining the center does not exceed 0.4 m.

Card 1/1

M.Ya.D.

S/035/62/000/001/025/038
A001/A101


AUTHOR: Dokukin, L.I.

TITLE: Effect of errors in initial data on the precision of one-route
rhombic phototriangulation network after reduction

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 1, 1962, 20-21,
abstract 1G144 ("Zap. Voronezhsk. s.-kh. in-ta", 1961, v. 29, no.
3, 135 - 146)

TEXT: The author derives the formula of mean square error in the position
on the plan of a phototriangulation network point after reduction, the error
being caused by random errors in initial data.

[Abstracter's note: Complete translation]



Card 1/1

DOKUKIN, L.I., assistant

Vertical accuracy of laying sewerage ~~and~~ pes. izv. vys.
ucheb. zav.; geod. i aerof. no. 6:15-52 (MIRA 1787)

1. Voronezhskiy inzhenerno-geod. i aerof. institut.

DOKUKIN, M. A.

Dokukin, M. A. - "The problem of the preparation of hydrogen peroxide on a crude coal-tar base," Authors: M. B. Kartsynel', R. B. Yampol'shaya, M. S. Vitukhnovskaya and M. A. Dokukin, Nauch. zapiski (Dnepropetr. gos. un-t), Vol XXXIII, 1948, p. 43-45

SO: U-5240,17, Dec. 53, (Istoria 'Zhurnal 'nykh Statey, No. 25, 1949).

DOKUKIN O.S.

BUBLIKOV, Ye.V., inzhener; DOKUKIN, O.S., inzhener.

Capacity of miners' buckets. Shakht.stroi. no.9:11-12 S '57.

(Coal mines and mining--Equipment and supplies) (MIRA 10:10)

BUBLIKOV, Yevgeniy Vladimirovich, inzh.; VINARSKIY, Yerim Naumovich, inzh.;
DANCHICH, Valeriy Valerianovich, inzh.; IOKUKIN, Oleg Semenovich,
inzh.; LINKOV, Aleksandr Viktorovich, inzh.; ~~IMBIPNEV, Dmitriy~~
Yakovlevich, inzh.; FEDOROV, Sergey Vasil'yevich, inzh.; FEDOROV,
Georgiy Dmitriyevich, inzh.; YAKUSHIN, Nikolay Petrovich, kand.tekhn.
nauk, inzh.; ZHADAYEV, V.G., otv.red.; SMIRNOV, L.V., red.isd-va;
SABITOV, A., tekhn.red.

[Selection of equipment for vertical shaft sinking] Vygor obrudova-
niia dlia prokhodki vertikal'nykh stvolov shakht. Moskva, Ugletekh-
izdat, 1959. 251 p.
(MIRA 12:8)

1. Sotrudniki Ukrainskogo Nauchno-issledovatel'skogo instituta organi-
zatsii i mekhanizatsii shakhtnogo stroitel'stva (UkrNIOMShS) (for
all except Zhadayev, Smirnov, Sabitov).
(Shaft sinking) (Mining machinery)

BUBLIKOV, Yevgeniy Vladimirovich, inzh.; DOKUKIN, Oleg Semenovich, inzh.;
TELEPNEV, Dmitriy Yakovlevich, inzh.; FEDOROV, Georgiy Dmitriye-
vich, inzh.; FEDOROV, Sergey Vasil'yevich, inzh.; KOSTON'YAN,
A.Ya., otv.red.; SABITOV, A., tekhn.red.

[Hoisting equipment in mine building] Podzemnye ustanovki v
shakhtnom stroitel'stve. Moskva, Gos.nauchno-tekhn.izd-vo
lit-ry po gornomu delu, 1960. 258 p. (MIRA 13:5)

1. Ukrainskiy nauchno-issledovatel'skiy institut organizatsii i
mekhanizatsii shakhtnogo stroitel'stva (UkrNIIOmShS) (for all,
except Koston'yan, Sabitov).
(Mine hoisting--Equipment and supplies)

DOKUKIN, O.S., inzh.

Selecting power for electric drives of mine hoisting equipment.
Trudy VNIOMSHSa no.15-217-236 '64.

(MIRA 18:2)

BRAYLOVSKIY, A.; DOKUKIN, P.; BOZHKO, S.

Consultation. Mias.ind.SSSR 35 no.1:55-56 '64. (MIRA 17:4)

1. Kazanskiy kholodil'nyy kombinat (for Dokukin). 2. Belgorodskiy
myaso-ptitsekombinat (for Bozhko).

DOKUKIN, S.N.

Accuracy in high-grade martite and hydrohematite-martite ore
sampling in different core recoveries. Razved. i okh. nedr
26 no.2:14-20 Feb. '60. (MIRA 14:6)

1. Trest Krivbassgeologiya.
(Krivoy Rog Basin--Iron ores)

N/5
101.11
.D61

Dokukin, Vladimir Ignat'yevich

Dva Mira-dve Sistemy

Two Worlds--Two Systems

Moskva, Voenizdat 1958

218 p. Tables

Bibliographical Footnotes

DOKUKIN, V.

USSR

From the socialist to the communist distribution of material
and cultural goods. Sots. trud 7 no.8:22-31 Ag '62.
(MIRA 15:10)

(Cost and standard of living) (Wages)

GALENKO, Pavel Vasil'yevich; DOKUKIN, V.I., otv. red.; BOBRIK, N.P., red.
izd-va; RYLINA, Yu.V., tekhn. red.

[Socialist nationalization of capital assets in the Polish People's
Republic] Sotsialisticheskaya natsionalizatsiya osnovnykh sredstv
proizvodstva v Pol'skoi Narodnoi Respublike. Moskva, Izd-vo Akad.
nauk SSSR, 1961. 341 p. (MIRA 14:8)
(Poland--Industries)

AKOPOV, R.Ya., kand. ekon. nauk, dots.; BASYUK, T.L., doktor ekon. nauk, prof.; BIRMAN, A.M., doktor ekon. nauk, prof.; GRIGOR'YEV, A.Ye., doktor ekon. nauk, prof.; DOKUKIN, V.I., prof.; IKONNIKOV, V.V., prof.; KONDRASHEV, D.D., doktor ekon. nauk; KURSKIY, A.D., doktor ekon. nauk; LOKSHIN, E.Yu., doktor ekon. nauk, prof.; MALYY, I.G., kand. ekon. nauk, dots.; PERVUSHIN, S.P., kand. ekon. nauk; PLOTNIKOV, K.N., TYAPKIN, N.K., kand. ekon. nauk; FILIMONOV, N.P., kand. ekon. nauk; SHAFIYEV, K.N., doktor ekon. nauk, prof.; BAKOVETSKIY, O., red.; KOKOSHKINA, I., mladshiy red.; MOSKVINA, R., tekhn. red.

[Economics; communist means of production] Politicheskaya ekonomiya; kommunisticheskiy sposob proizvodstva. Uchebnik 2., perer. i dop. izd. Moskva, Sotsekgiz, 1963. 599 p.

(MIRA 16:5)

1. Chlen-korrespondent Akademii nauk SSSR (for Plotnikov).
(Economics) (Communism)

ZAKHAROV, V.A.; DOKUKIN, Yu.I.

Magnesium cast iron in automobile manufacture. Lit. proizv.
no. 4:7-10 Ap '61. (MIRA 14:4)
(Iron founding) (Automobile industry)

SYRKIN, P.E.; DOKUKIN, Yu.I.

Development of the designs of crankshaft rear end packing of
the GAZ engines. Avt. prom. 30 no.3:13-14 Mr '64.

(MIRA 17:6)

1. Gor'kovskiy avtomobil'nyy zavod.

DOKUKINA, A.F.

DOKUKINA, A.F.; KOTON, M.M.; MINEYEVA, O.K.; PARIBOK, V.A.

Synthesis of chloro- and bromo-substituted methylstyrenes. Zhur.ob.
khim. 26 no.6:1651-1653 Je '56. (MIRA 11:1)

1. Leningradskiy politekhnicheskiy institut.
(Chemistry, Organic--Synthesis) (Styrene)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000410730001-5

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000410730001-5"

USSR/ Chemistry - Physical chemistry

Card 1/2 Pub. 147 - 23/35

Authors : Dokukina, A. F.; Koton, M. M.; Kryukova, K. N.; Mineyeva, O. K.;
Paribok, V. A.

Title : Relation between structure and polymerizability of substituted styrenes

Periodical : Zhur. fiz. khim. 30/1, 190-195, Jan 1956

Abstract : Investigation was conducted to determine the polymerization process of numerous disubstituted styrene derivatives containing halogen atoms and methyl radicals in various arrangements in the benzene ring of styrene. The position 2,5- at which the maximum rate of polymerization and maximum molecular weight was observed was considered to be the most favorable position for substitutes in the styrene benzene ring. The series formed

Institution: Leningrad Polytechnic Inst. im. M. M. Kalinin

Submitted : June 27, 1955

Card 2/2 Pub. 147 - 23/35

Periodical : Zhur. fiz. khim. 30/1, 190-195, Jan 1956

Abstract : by styrene substitutes are shown in the order of their polymerization rate. The effect of substituting groups in the benzene ring of styrene on the polymerizability and other characteristics of polymers is discussed. Four USSR/USA references (1939-1955). Tables; graphs; drawing.

DOKUKINA, A. F., Candidate Chem Sci (diss) -- "The synthesis and study of the effect of chemical structure of the monomers of chloro-substituted methyl- and dimethylstyrenes on the capacity for polymerization and the properties of the polymers obtained". Leningrad, 1959. 11 pp (Acad Sci USSR, Inst of High-Molecular Compounds), 150 copies (KL, No 26, 1959, 123)

DOKUKINA, A.F.; KOTON, M.M.

Relationship between structure and the tendency to polymerization of substituted styrenes. Part 2: Polymerization of tri- and tetrasubstituted halomethylstyrenes. Vysokom. soed. 1 no.8:1129-1132 Ag '59. (MIRA 13:2)

1. Leningradskiy politekhnicheskoy institut.
(Styrene) (Polymerization)

5 (3)

AUTHORS:

Dokukina, A. F., Koton, M. M.

SOV/79-29-7-22/83

TITLE:

Synthesis of Chlorine-substituted Dimethyl Styrenes (Sintez khlorzameshchennykh dimetilstirolov)

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 7, pp 2201-2204 (USSR)

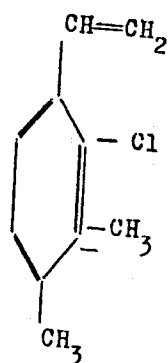
ABSTRACT:

Until recently the tri- and tetrasubstituted styrenes have been little investigated. Only the data from patents concerning the polymerization of trichloro styrenes and tetrachloro styrenes are known (Ref 1) without a precise description of their methods of synthesis. For this reason the authors were interested in synthesizing the halogen-substituted vinyl xylenes. Formerly they had synthesized the styrene derivatives which simultaneously contained halogen atoms and the methyl group in the benzene cycle (Ref 2). In the present paper the following chlorine-substituted styrenes were synthesized: 2-chloro-3,4-dimethylstyrene (I), 2-chloro-3,5-dimethylstyrene (II), 4-chloro-2,5-dimethyl styrene (III), and 2,3-dichloro-4,5-dimethyl styrene (IV):

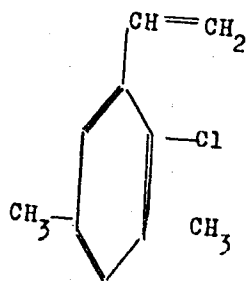
Card 1/3

Synthesis of Chlorine-substituted Dimethyl Styrenes

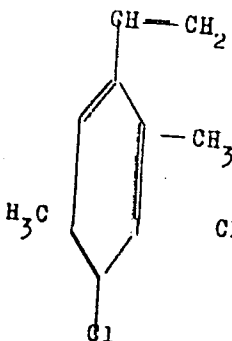
SOV/79-29-7-22/83



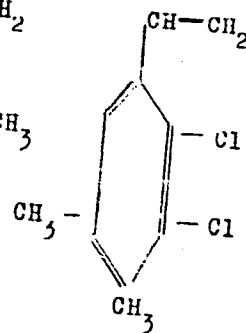
(I)



(II)

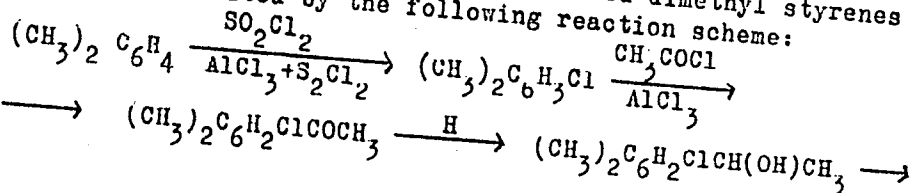


(III)



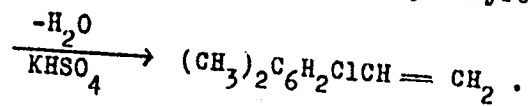
(IV)

The synthesis of the chlorine-substituted dimethyl styrenes may be illustrated by the following reaction scheme:



Card 2/3

Synthesis of Chlorine-substituted Dimethyl Styrenes SOV/19-29-7-22/83



All dimethyl styrenes were synthesized according to O. Silberrad (Ref 3) (Precise prescriptions for the synthesis are given in the experimental part). There are 3 references, 1 of which is Soviet.

ASSOCIATION: Leningradskiy politekhnicheskii institut (Leningrad Polytechnic Institute)

SUBMITTED: April 14, 1958

Card 3/5

DOKUKINA, A.F.; SMIRNOVA, Z.A.; KOTON, M.M.

Copolymerization of dichlorostyrenes and chloromethylstyrenes
with styrene. Vysokom. soed. 2 no.8:1249-1254 Ag '60.
(MIRA 13:9)

1. Leningradskiy politekhnicheskoy institut im. M.I.Kalinina
(Styrene) (Polymerization)

38289

S/190/62/004/006/016/026
B124/B138

15.2100
AUTHORS: Dokukina, A. F., Yegorova, Ye. I., Kazennikova, G. V., Koton, M. M., Kocheshkov, K. A., Smirnova, Z. A., Talalayeva, T. V.

TITLE: Synthesis and polymerization (copolymerization) of fluoron-substituted styrenes. I. Copolymerization of fluoron-substituted styrenes with vinyl monomers

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 4, no. 6, 1962, 885 - 888

TEXT: This paper describes the authors' experiments in the production and characterization of the copolymers of α , β , β' -trifluoro styrene with 2,5-dimethyl styrene and methyl methacrylate; o-, m- and p-methyl- α , β , β' -trifluoro styrene with styrene, α , β -difluoro- β' -chloro styrene with styrene, and 2,5-difluoro styrene. The emulsion used for copolymerization consisted of 80-85 % water, 2.5 emulsifier (sodium stearate or deate), and 0.5 % persulfate initiator. The monomer mixture, which was added dropwise after heating to 80 - 90°C, contained azoisobutyric acid dinitrile (0.5 %) as initiator. Eleven copolymers of the above monomers were obtained. Their compositions and properties are given in Table 2. The heat
Card 1/1

Synthesis and polymerization ...

S/190/62/004/006/016/026
B124/B138

resistance of the copolymers thus produced increases with the fluoro-
styrene content in the copolymer. An exception is that of α,β -difluoro-
 β' -chloro styrene with styrene, the heat resistance of which is 4°C
higher than that of polystyrene produced under similar conditions. This
is probably due to the low concentration of substituted styrene (16 mole%)
in the copolymer, and to the extremely low molecular weight of the pro-
duct ($[\eta] = 0.05$). There are 2 tables. The English-language references
are: D. Livingstoun, J. Polymer Sci., 20, 485, 1956; M. Prober, J. Amer.
Chem. Soc., 75, 968, 1953.

ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy AN SSSR (Institute
of High-molecular Compounds of the AS USSR)

SUBMITTED: April 11, 1961

Table 2: Copolymerization time, yield, composition and intrinsic vis-
cosities of the copolymers. Legend: (A) length, hours; (B) copolymer
yield, %; (C) composition of copolymer (mole%); (D) intrinsic viscosities
of the benzene solutions of copolymers at 20°C ; (E) copolymers of

Card 2/2

ACCESSION NR: AT4020698

S/0000/63/000/000/0040/0044

AUTHOR: Yegorova, Ye. I.; Dokukina, A. F.

TITLE: Synthesis and polymerization (copolymerization) of fluorinated styrenes. II. Investigation of the copolymerizability of fluorinated styrenes with styrene and 2,5-dimethylstyrene

SOURCE: Karbotsepny*ye vy*sokomolekulyarny*ye soyedineniya (Carbon-chain macromolecular compounds); sbornik statey. Moscow, Izd-vo AN SSSR, 1963, 40-44

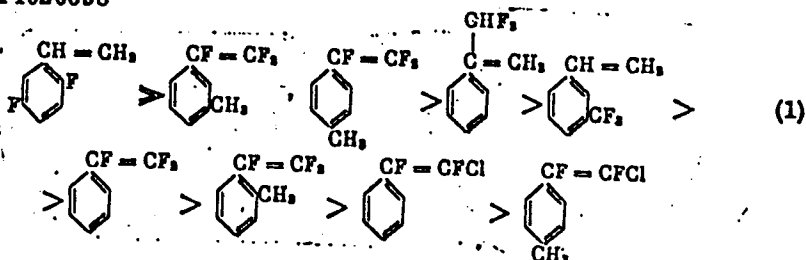
TOPIC TAGS: styrene, fluorinated styrene, 2,5-dimethylstyrene, polymerization initiator, azodiisobutyronitrile, copolymerization

ABSTRACT: Since the introduction of a halogen atom ordinarily decreases the rate of homopolymerization of styrenes, the copolymerization of fluorinated styrene with styrene and 2,5-dimethylstyrene was investigated. The copolymerization constants r_1 and r_2 were determined, and the specific activity Q , radical polarity e and relative reactivity ($1/r$) of the monomers were calculated. From the experimental data, the azeotropic composition of the copolymer and the activity constant of 2,5-dimethylstyrene could be determined. In decreasing order of relative reactivity with respect to the styrene radical, the monomers investigated can be arranged in

Card 1/2

ACCESSION NR: AT4020698

the following order:



The block copolymerization was carried out at 60C in the presence of 0.1% initiator (azodiisobutyronitrile). The boiling points and refractive indices of the monomers are tabulated. "The authors express their deep gratitude to K. A. Kocheshkov and M. M. Koton for valuable hints in the discussion of this paper." Orig. art. has: 6 tables.

ASSOCIATION: Leningradskiy politekhnicheskoy institut im. M. I. Kalinina (Leningrad Polytechnical Institute)

SUBMITTED: 09Apr62

DATE ACQ: 20Mar64

ENCL: 00

SUB CODE: OC

NO REF SOV: 003

OTHER: 001

Card 2/2

ACCESSION NR: AP4042184

S/0190/64/006/007/1187/1189

AUTHOR: Yegorova, Ye. I.; Smirnova, Z. A.; Dokukina, A. F.

TITLE: Synthesis and polymerization (copolymerization) of fluorinated styrenes. III. Preparation and properties of copolymers of styrenes fluorinated in the vinyl group with vinyl monomers

SOURCE: Vy*sokomolekulyarny*ye soyedineniya, v. 6, no. 7, 1964, 1187-1189

TOPIC TAGS: copolymer, copolymerization, fluorinated styrene, vinyl monomer, thermoplastic copolymer, dielectric copolymer, heat-resistant copolymer, alpha.beta.beta-trifluorostyrene-2.5-dimethylstyrene copolymer

ABSTRACT: The following new copolymers of fluorinated styrenes with vinyl monomers have been synthesized: α . β . β -trifluorostyrene with styrene, 2,5-dimethylstyrene, or 2,5-difluorostyrene; 4-methyl- α . β . β -trifluorostyrene with styrene or 2,5-dimethylstyrene; and 3-methyl- α . β . β -trifluorostyrene, β -fluorostyrene, or α -(difluoromethyl) styrene with styrene. The copolymerization was conducted either in emulsion at 60C (initiators, potassium persulfate and

Card

ACCESSION NR: AP4042184

azobisisobutyronitrile), or in the liquid phase: 1) with a stepwise increase of temperature from 50 to 170C or 2) at 60C (initiator, azobisisobutyronitrile). The preparation methods, composition, and properties of the copolymers are described. The synthesized copolymers are thermoplastics and dielectrics. They dissolve readily in organic solvents. Emulsion copolymerized products have a higher molecular weight and a higher heat resistance than those copolymerized in the liquid phase. The highest heat resistance (190C) is exhibited by α, β, β -trifluorostyrene-2,5-dimethylstyrene copolymers. "The authors express their deep appreciation to M. M. Koton for valuable instructions during the discussion of the study and to K. A. Kocheshkov, in whose laboratory the monomers were synthesized." Orig. art. has: 2 tables.

ASSOCIATION: Leningradskiy polytekhnicheskij institut im. M. I. Kalinin (Leningrad Polytechnic Institute).

SUBMITTED: 09Apr62

ATD PRESS: 3055

ENCL: 00

SUB CODE: GC, MT

NO REF SOV: 004

OTHER: 000

Cdrd 2/2

KOTON, M.M.; DOKUKINA, A.F.; YEGOROVA, Ye.I.

Kinetics of homogeneous and heterogeneous polymerization of
 α, β -fluoro-substituted styrenes. Dokl. AN SSSR 155 no.1:139-140
Mr '64. (MIRA 17:4)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR. 2. Chlen-
korrespondent AN SSSR (for Koton).

L 22531-65 EWG(j)/EWT(m)/EPF(c)/EPR/EMP(j)/T/EWA(h)/EWA(1) Pc-J₁/Pr-J₁/Ps-J₁/
Feb RPL RM/WW

ACCESSION NR: AD4047947

S/0000 81/158/64

AUTHOR: K. M. M. M. (Corresponding member AN SSSR)

11

2070 147

SOURCE: AN SSSR. Doklady*, v. 158, no. 5, 1964, 1120-1122

TOPIC TAGS: halosubstituted paradiethylbenzene, copolymerization, styrene, paradiethylbenzene, copolymer, reaction kinetics, radical, copolymerization, kinetics

ABSTRACT: The copolymerizability of styrene and α, β, β -halosubstituted paradiethylbenzenes, containing two vinyl groups of different activity, was studied. Neither p-vinyl- α, β -difluoro- β -chlorostyrene (I), p-isopropenyl- α, β -difluoro- β -chlorostyrene (II), p-bis(α, β -difluoro- β -chlorostyrene)(IV) would form copolymers by radical polymerization, although I and II did form dimers. II, as well as I, and III copolymerized with styrene under emulsion, solution or bulk radical

Card 1/2

1-35513-65 ENG(j)/EWT(m)/EPF(c)/EPF(n)-2/EWP(j)/T/EWA(h)/EWA(l)
Pc-L/Pr-L/Peb/Ps-L/ GG/RM
ACCESSION NR: AF5008359

S/0190/65/007 03/03/65

AUTHOR: Antuf'yev, V. V. (Deceased); Dokukina, A. F.; Votinov, M. I.; Buntsev, Ye. V.; Boldyrev, A. G.

TITLE: The effect of γ -radiation from Co^{60} on substituted polystyrenes

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 3, 1965, 380-384

TOPIC TAGS: polystyrene, substituted polystyrene, radiation damage, radiolysis, radiochemical yield

ABSTRACT: The effect of γ -radiation on polystyrene, one of the most radiation-resistant polymers, and on substituted polystyrenes (substituents: CH_3 , Br, Cl, NO_2) was investigated. Quartz ampuls were filled with granulated polystyrene samples, evacuated to approximately 10^{-4} mm Hg, and sealed. They were then exposed to a Co^{60} source and received total doses of 0-16 Mr. Their EPR spectra were taken at 77K and 300K, 2 hours, 1 week, and 1 month after irradiation. Noticeable changes in properties were observed with variations in storage time. Changes in the polymer structure were deduced from the solubility of the irradiated samples in benzene. It was found that the radical yield from radiolysis depends substan-

Card 1/2

L 35513-65
ACCESSION NR: AP5008359

tially on the nature and position of styrene substituents, e.g., the yield from methylstyrenes is 0.5 orders of magnitude larger than that from styrene. Orig. art. has: 2 figures and 1 table. [VS]

ASSOCIATION: Leningradskiy politekhnicheskii institut im. M. I. Kalinina (Leningrad Polytechnic Institute)

SUBMITTED: 23Mar64

ENCL: 00

SUB CODE: OC, NP

NO REF SOV: 008

OTHER: 001

ATD PRESS: 3217

Card 2/2 *ps*

KOTON, M.M.; GORSHKOVA, I.A.; DOKUKINA, A.F.; SMIRNOVA, Z.A.

Copolymers of α, β, β -halo-substituted p-divinylbenzene with styrene. Vysokom. soed. 8 no. 1:120-124 Ja'66 (MIRA 19:1)

1. Leningradskiy politekhnicheskoy institut imeni Kalinina i Institut vysokomolekulyarnykh soyedineniy AN SSSR. Submitted February 25, 1965.

L 31155-66 EWT(m)/EWP(j)/T/ETC(m)-6 WW/RM
ACC NR: AP6003423 SOURCE CODE: UR/0190/66/008/001/0120/0124

AUTHORS: Koton, M. M.; Gorshkova, I. A.; Dokukina, A. F.; Smirnova, Z. A.

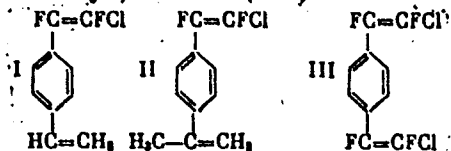
ORG: Leningrad Polytechnic Institute im. M. I. Kalinin (Leningradskiy politekhnicheskiy institut); Institute of High-Molecular Polymers, AN SSSR (Institut vysokomolekulyarnykh soyedineniy AN SSSR)

TITLE: Copolymers of α, β, β -halogen-substituted p-divinylbenzenes with styrene

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 1, 1966, 120-124

TOPIC TAGS: copolymerization, styrene, free radical, graft copolymer, thermal stability, IR spectrum

ABSTRACT: Properties of copolymers of styrene with p-vinyl- α, β -difluoro- β -chlorostyrene (I), p-isopropenyl- α, β -difluoro- β -chlorostyrene (II), and p-bis- $(\alpha, \beta$ -difluoro- β -chlorovinyl)benzene (III)



Card 1/2

UDC: 66.095.26+678.746

L 31155-66

ACC NR: AP6003423

at various compositions were investigated. Graft copolymers of styrene with styrene copolymers of I, II, and III were produced. Investigated copolymers were prepared by free radical polymerization in bulk, in emulsion, and in solution, as described by M. M. Koton, K. A. Kocheshkov, I. A. Gorshkova, A. F. Dokukina, and Ye. M. Panov (Kokl. AN SSSR, 158, 5, 1120, 1964). Solubility, thermal stability, viscosity limits, and density of copolymers were determined, and their IR spectra are described. Copolymers obtained in bulk process were insoluble and thermally unstable, those prepared in solution were soluble and more thermally stable (100C), while the emulsion process yielded insoluble and thermally very stable products. The authors express their gratitude to K. A. Kocheshkov and Ye. V. Kuvshinsky for valuable comments during evaluation of this work. Orig. art. has: 1 table, 2 figures, and 3 structures.

SUB CODE: 07/ SUBM DATE: 25Feb65/ ORIG REF: 003

Card 2/2 *YC*

DOKUKINA, A. P.

DOKUKINA, A. P. -- "The Connection between the Boundary Sympathetic Trunks and the Vagus Nerve in the Cervical and Thoracic Regions of Man and Animals." Ryazan' Medical Inst imeni Academician I. P. Pavlov. Ryazan', 1955. (Dissertation for the Degree of Candidate of Biological Sciences.)

SO: Knizhnaia letopis'. No. 4, Moscow, 1956

USSR / Human and Animal Morphology. Nervous System. S-2
Peripheral Nervous System.

Abs Jour: Ref Zhur-Biol., No 14, 1958, 64785.

Author : Dokukina, A. P.

Inst : Ryazan' Medical Institute.

Title : Materials on the Anatomy of the Connections
between Bordering Sympathetic Trunks and
Nervi Vagi in Man and Animals.

Orig Pub: Materialy 19-y nauchn. knoferentsii Ryazansk.
med. in-ta po probleme: "Anatomiya i patologiya
organov grudnoy polosti", Ryazan', 1956, 14-31.

Abstract: By a laboratory method, in 35 human cadavers and
in 16 animals (fish, frogs, birds, dogs, and cats),
connection were revealed between the bordering
sympathetic trunks (AST) and the nervi vagi (NV)
in the cervical as well as in the thoracic section.

Card 1/3

USSR / Human and Animal Morphology. Nervous System. S-2
Peripheral Nervous System.

Abs Jour: Ref Zhur-Biol., No 14, 1958, 64785.

Abstract: The connection between the supra-cervical bundle SCB and the plexoid bundle PB is found most frequently, being effected with the aid of the commissures or the partial growing together of the bundles. All the cervical bundles of the AST in man and in animals are connected with the trunk of the NV, while among the thoracic bundles of the AST in man the first, second, and fifth are connected with it. The inter-bundle branches of the cervical and thoracic divisions of the AST are also connected with the trunk of the NV (rarely in man). The bundles of the AST may be connected with the upper-laryngeal, recurrent, inferior cardiac, pulmonary and pharyngeal branches of the NV. Four types of connections have been isolated

Card 2/3

USSR / Human and Animal Morphology. Nervous System. S-2
Peripheral Nervous System.

Abs Jour: Ref Zhur-Biol., No,14, 1958, 84785.

Abstract: between the visceral branches of the Δ ST and NV:
1) the connection of the cardiac sympathetic branches with the analogous branches of the NV, with its recurrent and upper-laryngeal branches: 2) the connection of the laryngeal sympathetic cardiac branches with the analogous branches of the NV, with its recurrent and superior cardiac branches: 3) the connection of the pulmonary sympathetic branches with the analogous branches of the NV and with its recurrent branch; 4) the connection of the vascular sympathetic branches with the vascular branches of the NV and its recurrent branches. The number of connections of the Δ ST and the NV is larger in the cervical sector than in the thoracic. The largest number of connections occur in the first cervical and the first and second thoracic bundles.

Card 3/3

· USSR / Human and Animal Morphology. Nervous System. S-2
Peripheral Nervous System.

Abs Jour: Ref Zhur-Biol., No 14, 1958, 64786.

Author : ~~Dokukina~~, A. P.

Inst : Ryazan' Medical Institute.

Title : Concerning the Participation of the Commissures
Connecting the Cervical and the Thoracic Sec-
tions of Bordering Sympathetic Trunks and Nervi-
Vagi, in the Innervation of Internal Organs.

Orig Pub: Materialy 19-y nauchn. konferentsii Ryazansk.
med. in-ta po probleme: "Anatomiya i patologiya
organov grudnoy polosti", Ryazan', 1956, 32-37.

Abstract: In 35 human cadavers (ranging in age from 6-month-
old fetuses to adults 72 years of age), and in 16
animal cadavers (fish, frogs, cats, dogs), it has
been demonstrated that there issue (0.5-1 mm in

Card 1/4

USSR / Human and Animal Morphology. Nervous System. S-2
Peripheral Nervous System.

Abs Jour: Ref Zhur-Biol., No 14, 1958, 64786.

Abstract: caliber from the commissures (C) tying together the bordering sympathetic trunks and the nervi vagi, nerve branches extending to the larynx, the esophagus, the thyroid gland and its capsule, the heart, the pericardium, the lungs, and the long muscle of the neck. This innervation is effected by the branches issuing either from the C themselves (C of the first order), or from the C of the second order, i. e., such as, connect the C of the first order with the visceral branches of the bordering sympathetic trunks and the nervi vagi. The connection of the C with internal organs may be direct and indirect (the branches issuing from the C combine with the branches of the bordering sympathetic trunk or the trunk of

Card 2/4

USSR / Human and Animal Morphology. Nervous System. S-2
Peripheral Nervous System.

Abs Jour: Ref Zhur-Biol., No 14, 1958, 64786.

Abstract: the nervus vagus and, by means of them, take part in the innervation of the internal organs). The latter aspect of the connection is more widespread; more frequently the branches from the C combine with the branches of the bordering sympathetic trunk. Branches from the C in the cervical section are usually short, while in the thoracic they may extend significantly and follow an intricate travel line. Blood vessels, along with generally known sources of innervation, in addition receive nerve branches from the C. Vascular branches have been revealed from the C to the common carotid, internal carotid, inferior thyroid, the first and second intercostal arteries

Card 3/4

USSR / Human and Animal Morphology. Nervous System. S-2
Peripheral Nervous System.

Abs Jour: Ref Zhur-Biol., No 14, 1958, 64786.

Abstract: and to the thoracic sector of the aorta. There are cases of the divergence to the blood vessels of branches of the C, which connect the bordering sympathetic trunks with one another or the bordering sympathetic trunks and the nervi vagi of opposite sides. -- I. B. Barabash.

Card 4/4

DOKUKINA, A.P.

LAVROV, N.N. (Ryazan'); ~~DOKUKINA, A.P. (Ryazan')~~

On the problem of some fetal deformities. Fel'd. i akush.
22 no.3:22-27 Mr '57 (MLRA 10:5)
(FETUS--ABNORMITIES AND DEFORMITIES)

DOKUKINA, A.P.

Method for the repeated study of material in a course in normal anatomy. Fel'd. i akush. 25 no.8:57-58 Ag '60. (MIRA 13:8)

1. Ryazanskoye meditsinskoye uchilishche.
(ANATOMY, HUMAN)

KOTON, M.M.; DOKUKINA, L.F.

Polymerization capacity of tin-containing monomers. Dokl.
AN SSSR 152 no.6:1357 0 '63. (MIRA 16:11)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
2. Chlen-korrespondent AN SSSR (for Koton).

100-100000-100000-100000

... branching of the polymer chains, leading to ...
... ..

ASSOCIATION: Institut v*soikomolekulyarny*kh soyedineniy AN SSSR (Institute of
... .. AN SSSR)

SUBMITTED: 29Nov63

ENCL: 00

... ..

ACCESSION NR: AP4042082

S/0079/64/034/006/1757/1758

AUTHOR: Koton, M. M.; Dokukina, L. F.

TITLE: The synthesis of unsaturated tin organic compounds

SOURCE: Zhurnal obshchey khimii, v. 34, no. 6, 1964, 1757-1758

TOPIC TAGS: synthesis, copolymer, polymerization, organic solvent, tin organic monomer, stanniferous monomer, vinyl compound, metal organic compound

ABSTRACT: The authors investigated a method for developing a synthesis for the polymerization of unsaturated metal organic compounds by first obtaining: n-vinylbiphenyltriphenyltin (I), and n-vinylphenyltricyclohexyltin (II). Tin organic monomers (I and II), colorless crystals, are quite soluble in organic solvents; they polymerize, easily, in bulk as well as in solution and product copolymers with other vinyl compounds. The processes of synthesis are described for both I and II. The authors express gratitude to J. M. Kiselov for his valuable advice and assistance.

ASSOCIATION: Institut vyssokomolekulyarnykh soyedineniy, akademii nauk SSSR (Institute of High Molecular Compounds, Academy of Sciences, SSSR).

Card 1/2

ACCESSION NR: AP4042082

SUBMITTED: 20May63

ENCL: 00

SUB CODE: OC

NO REF SOV: 003

OTHER: 003

Card 2/2

TURKIN, V. D., Docent, DOKUKINA, N. V., Engineer

Candidate of Technical Sciences

"The Machinability of Alloys by Cutting, Depending on their Composition and Structure,"

Stanki I Instrument Vol. 15, No. 10 - 11, 1944.

BR 52059019

DOKUKINA, N.V.
DRITS, M.Ye., kandidat tekhnicheskikh nauk; DOKUKINA, N.V.

Problem of creep in bearing alloys. Issl. splav. tsvet. met. no.1:
71-80 '55. (MLRA 9:10)

(Bearing metals) (Creep of metals) (Babbitt metal)

78-3 3-43/47

AUTHORS: Gul'din, I. T. , Dokukina, N. V.

TITLE: The System Aluminum-Magnesium-Iron-Silicon (Sistema alyuminiy-magniy-zhelezo-kremniy)

PERIODICAL: Zhurnal Neorganicheskoy Khimii, 1958, Vol. 3, Nr 3, pp. 799-814 (USSR)

ABSTRACT: In the refining of aluminum-alloys by the magnesium method aluminum and magnesium occur in the alloys as magnesium aluminide. The iron impurities in magnesium aluminide form iron aluminide and the silicon impurities - magnesium silicide. Magnesium aluminide and iron aluminide form a fusion diagram of an eutectic type which practically is in the magnesium-aluminide domain. The solubility of iron aluminide in liquid magnesium aluminide at a solidus temperature is equal to 0. With a rise of temperature the solubility of iron aluminide insignificantly increases and at 500°C it amounts to 0,2 %. Magnesium aluminide and magnesium silicide also form a limit type of the fusion diagram with primary crystallization of magnesium silicide. With a rise of temperature the solubility of magnesium

Card 1/3

The System Aluminum-Magnesium-Iron-Silicon

78-3-3-43/47

silicide insignificantly increases and at 500°C it amounts to 0,7 %. In the simultaneous absence of iron aluminide and magnesium silicide up to 20 % magnesium-silicide-melt a simple fusion diagram forms. The solubility of iron aluminide and magnesium silicide in liquid magnesium aluminide increases at 500°C in the domain of the triangle in the direction of secondary crystallization. The maximum solubility of the intermetallides under these conditions amounts to about 0,9 % at a ratio iron-aluminide: magnesium-silicide = 1 : 3. The refining of aluminum by the magnesium method can also be performed with primary and secondary aluminum. The presence of 2 % zinc in the aluminum alloys does in refining not change the crystallization domains of magnesium aluminide and magnesium silicide and does not impair the solubility at low temperatures either. Only zinc dissolves in magnesium silicide and is separated in the distillation together with magnesium. The presence of 2 % manganese in the alloys during the process of refining does not change the crystallization domains of iron silicide and magnesium silicide either and does not influence the solubility at low temperature. Manganese enters into iron aluminide and is separated from magnesium aluminide in filtration. There

Card 2/3

78-3-3-43/47

The System Aluminum-Magnesium-Iron-Silicon

are 10 figures, 3 tables, and 5 references, which are
Soviet.

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy institut tsvetnykh
metallov
(State Scientific Research Institute for Nonferrous Metals)

SUBMITTED: June 25, 1957

Card 3/3

18.1200

67835

SOV/180-59-6-13/31

AUTHORS: Dokukina, N.V., Polyakova, M.D., and Shamray, F.I.
(Moscow)

TITLE: Several Properties of the WSi_2 - $NbSi_2$ System Alloys

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Metallurgiya i toplivo, 1959, Nr 6, pp 102-109 (USSR)

ABSTRACT: Alloys were prepared from powders containing 99.2% Nb, 99.7% W and 99.13% Si. Mixtures containing 23-37% Si, 1.2-76% W and 0.4-62% Nb were prepared by hot pressing, followed by arc melting. The final compositions are given in Table 1. Microsections were prepared in the cast state and after 360 hours at 1000 °C followed by a slow cool. Alloys containing less than 59.2% $NbSi_2$ were two phased and greater than 59.2% $NbSi_2$ single phased. The primary crystals of alloys on the WSi_2 side had a long columnar-type structure, with thin films of the second phase in the grain boundary. In the alloys lying on the $NbSi_2$ side, the primary crystals were more rounded. The alloys containing 29.3% $NbSi_2$ had approximately equal amounts of both phases. The heat treatment coarsened the structure of the alloys and decreased the quantity of second phase in alloys

Card
1/3

67835

SOV/180-59-6-13/31
System AlloysSeveral Properties of the WSi_2 - $NbSi_2$

containing up to 1.9% $NbSi_2$. The microhardness of the WSi_2 phase was 1255-1280 kg/mm². The microhardness of 100% $NbSi_2$ was 1038 and fell to 780 kg/mm² with a decrease to 71% $NbSi_2$ in the alloy. Further decreases in $NbSi_2$ content led to an increase in microhardness. The Vickers hardness increased from 723 to 840 kg/mm² with increase in $NbSi_2$ content from 0.7 to 65%. Further increases in $NbSi_2$ content gave a curve similar to that for microhardness. X-ray investigations showed only $NbSi_2$ content. The lattice parameter decreased with increase of WSi_2 from 1.6 to 28.7%. The porosity of the alloys varied from 1 to 7%. The electrical resistance was found and calculated for zero porosity. The resistance increases from 17.4 to 148.9 micro ohm/cm with increase in $NbSi_2$ content from 0 to 48.5%. It then fell to 23.2 micro ohm/cm in the 98.4% $NbSi_2$ alloy. The high temperature strength at 1100 and 1200 °C in air gave poor results. The oxide layer formed on the alloys is porous and does not protect them from further oxidation. Table 4 gives the melting points of various alloys. An equilibrium diagram was drawn from the above results

Card
2/3

67835

SOV/180-59-6-13/31

Several Properties of the WSi_2 - $NbSi_2$ System

(Fig 7). The WSi_2 - $NbSi_2$ section of the W - Si - Nb ternary system is pseudobinary. There is a wide range of solid solutions of WSi_2 in $NbSi_2$, and eutectic at about 29% $NbSi_2$.

There are 7 figures, 4 tables and 15 references, of which 7 are German, 4 English, 3 Soviet and 1 French. 4

SUBMITTED: July 20, 1959

Card 3/3

DOKUKINA, N.V.; SHAMRAY, F.I.

Phase equilibrium in the system W - Nb - Si and certain alloy properties. Porosh. met. 2 no.6:32-41 N-D '62. (MIRA 15:12)

1. Institut metallurgii imeni A.A.Baykova AN SSSR.
(Tungsten-niobium-silicon alloys—Metallography)
(Phase rule and equilibrium)

DOKUKINA, N.V.; SHAMRAY, F.I.

Investigating the ternary system tungsten - niobium - silicon.
Trudy Inst. met. no.12:132-142 '63. (MIRA 16:6)

(Tungsten-niobium-silicon alloys—Metallography)
(Phase rule and equilibrium)

SOURCE: Zhurnal neorganicheskoy khimii, v. 9, no. 4

and phases, and (3) the phase composition of the alloys. It was found that composition and phase composition of the alloys.